BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division, Yelahanka Zone

MODIFIED SCHEDULE –'B'

NAME OF WORK : BALANCE DEVELOPMENTAL WORKS TO AYURVEDIC HOSPITAL IN WARD NO.05

Sl. No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
1	4.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid complete as per specifications and directions of the Engineer in charge.	Each	4649.59	Rupees Four Thousand Six Hundred Forty Nine and Fifty Nine Paise Only
2	6.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid complete as per specifications and directions of the Engineer in charge. - First Floor	Each	4691.86	Rupees Four Thousand Six Hundred Ninety One and Eighty Six Paise Only
3	7.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid, complete as per specifications and directions of the Engineer in charge.- Second Floor	Each	4734.13	Rupees Four Thousand Seven Hundred Thirty Four and Thirteen Paise Only
4	0.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern .complete as per specifications and directions of the Engineer in charge.	Each	0.00	0
5	0.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern. complete as per specifications and directions of the Engineer in charge. - First Floor	Each	0.00	0
6	0.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern. complete as per specifications and directions of the Engineer in charge. - Second Floor	Each	0.00	0

Contractor

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ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ
ಬೆಂಗಳೂರು - 560092

Executive Engineer,
Project Division,
Yelahanka Zone

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
7	6.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer. complete as per specifications and directions of the Engineer in charge.	Each	4156.45	Rupees Four Thousand One Hundred Fifty Six and Forty Five Paise Only
8	6.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer. complete as per specifications and directions of the Engineer in charge.	Each	4194.24	Rupees Four Thousand One Hundred Ninety Four and Twenty Four Paise Only
9	10.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer .complete as per specifications and directions of the Engineer in charge.	Each	4232.02	Rupees Four Thousand Two Hundred Thirty Two and Two Paise Only
10	6.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid . complete as per specifications and directions of the Engineer in charge.	Each	252.82	Rupees Two Hundred Fifty Two and Eighty Two Paise Only
11	6.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid .complete as per specifications and directions of the Engineer in charge. - First Floor	Each	250.56	Rupees Two Hundred Fifty and Fifty Six Paise Only
12	10.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid. complete as per specifications and directions of the Engineer in charge. - Second Floor	Each	252.82	Rupees Two Hundred Fifty Two and Eighty Two Paise Only
13	25.00	Providing and fixing PTMT towel rail 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. complete as per specifications and directions of the Engineer in charge.	Each	438.86	Rupees Four Hundred Thirty Eight and Eighty Six Paise Only
14	25.00	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Each	1003.60	Rupees One Thousand Three and Sixty Paise Only
15	612.00	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter . complete as per specifications and directions of the Engineer in charge.	M	292.19	Rupees Two Hundred Ninety Two and Nineteen Paise Only
16	168.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25mm nominal dia pipes	Mtr	549.73	Rupees Five Hundred Forty Nine and Seventy Three Paise Only
17	150.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.25mm nominal dia pipes - First Floor .	Mtr	554.73	Rupees Five Hundred Fifty Four and Seventy Three Paise Only

Contractor

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Project Division,
ಬಿ.ಬಿ.ಎಂ.ಪಿ Yelahanka Zone

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				In Figures	In Words
18	126.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25mm nominal dia pipes - Second Floor	Mtr	559.72	Rupees Five Hundred Fifty Nine and Seventy Two Paise Only
19	126.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25mm nominal dia pipes - Terrace Floor	Mtr	564.72	Rupees Five Hundred Sixty Four and Seventy Two Paise Only
20	138.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes. having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 20mm nominal dia pipes .GF	Mtr	430.77	Rupees Four Hundred Thirty and Seventy Seven Paise Only
21	114.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.20mm nominal dia pipes .FF	Mtr	434.69	Rupees Four Hundred Thirty Four and Sixty Nine Paise Only
22	96.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.20mm nominal dia pipes .SF	Mtr	438.61	Rupees Four Hundred Thirty Eight and Sixty One Paise Only
23	90.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.20mm nominal dia pipes .Terrace Floor	Mtr	442.52	Rupees Four Hundred Forty Two and Fifty Two Paise Only
24	7.00	Constructing brick masonry chamber of internal dimension 600x450mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover.complete as per specifications and directions of the Engineer in charge.	Each	5051.49	Rupees Five Thousand Fifty One and Forty Nine Paise Only
25	4000.00	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) complete as per specifications and directions of the Engineer in charge.	ltr	9.24	Rupees Nine and Twenty Four Paise Only
26	73.00	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge. Qty upto 125%	Nos	398.44	Rupees Three Hundred Ninety Eight and Forty Four Paise Only

Contractor

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ಬೆಂಗಳೂರು

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
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27	37.50	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.Qty upto 125%	Nos	398.44	Rupees Three Hundred Ninety Eight and Forty Four Paise Only
	39.50	Qty above 125%		398.44	Rupees Three Hundred Ninety Eight and Forty Three Paise Only
28	10.00	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Nos	609.78	Rupees Six Hundred Nine and Seventy Eight Paise Only
29	10.00	FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht complete as per specifications and directions of the Engineer in charge.	Nos	13812.48	Rupees Thirteen Thousand Eight Hundred Twelve and Forty Eight Paise Only
30	236.08	Puffed panel (Data Rate)Lightweight, energy-efficient and durable panels , PUF panels consist of a rigid core sandwiched between sheet metal structural boards. PUF insulated sandwich panels integrate joists and studs, insulation, vapor and air barriers. complete as per specificationsand and directions of the Engineer in charge.	Sqm	4083.06	Rupees Four Thousand Eighty Three and Six Paise Only
31	158.22	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete as per specifications and directions of the Engineer in charge.Qty upto 125%	Cum	224.05	Rupees Two Hundred Twenty Four and Five Paise Only
32	34.24	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm and down size graded crushed coarse aggregatesfor levelling course for all works in foundation. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) complete as per specifications and directions of the Engineer in charge.Qty upto 125%	Cum	6414.26	Rupees Six Thousand Four Hundred Fourteen and Twenty Six Paise Only
33	35.46	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)complete as per specifications and directions of the Engineer in charge. Qty upto 125%	Cum	6180.97	Rupees Six Thousand One Hundred Eighty and Ninety Seven Paise Only
	28.73	Qty above 125%		6180.97	Rupees Six Thousand One Hundred Eighty and Ninety Seven Paise

Contractor

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ಬೆಂಗಳೂರು - 560027

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
34	10.03	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 20 mm and down size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)complete as per specifications and directions of the Engineer in charge.	Cum	6615.21	Rupees Six Thousand Six Hundred Fifteen and Twenty One Paise Only
35	0.00	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)complete as per specifications and directions of the Engineer in charge.	Cum	0.00	0
36	1174.01	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications and directions of the Engineer in charge.. (The laps and wastages shall not be measured separately)	KG	106.25	Rupees One Hundred Six and Twenty Five Paise Only
37	75.74	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - 1) - 2005 and constructed with CM 1:4 as per IS 2572.2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and directions of the Engineer in charge.	Sqm	1381.25	Rupees One Thousand Three Hundred Eighty One and Twenty Five Paise Only
38	99.34	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.	Sqm	371.87	Rupees Three Hundred Seventy One and Eighty Seven Paise Only
39	28.44	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per specifications and directions of the Engineer in charge. (Data Rate) Qty upto 125%	Sqm	2175.39	Rupees Two Thousand One Hundred Seventy Five and Thirty Nine Paise Only
40	33.00	Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as per specifications and directions of the Engineer in charge.(from finish concrete and no painting to be done)(Data Rate)	Nos	532.30	Rupees Five Hundred Thirty Two and Thirty Paise Only

Contractor

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41	325.41	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for alround frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flat, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work. (Data Rate) Qty upto 125%	Sqm	16409.94	Rupees Sixteen Thousand Four Hundred Nine and Ninety Four Paise Only
	23.14	Qty above 125%		16409.94	Rupees Sixteen Thousand Four Hundred Nine and Ninety Three Paise Only
42	24.29	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot dip galvanised flats the work is inclusive of throughing GI.flat GI sq rods,placing, welding all the joints including grinding, finishing metal patty,painting wo coats enamel painting. The rate is inclusive of all materials like GI sq pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting, erecting charges using hoist pulley cranes with all lead and lift, loading,transportation,unloading,scaffolding charges and all other incidental charges for sucessful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate) Qty upto 125%	Sqm	22415.37	Rupees Twenty Two Thousand Four Hundred Fifteen and Thirty Seven Paise Only
	1.66	Qty above 125%	Sqm	22415.37	Rupees Twenty Two Thousand Four Hundred Fifteen and Thirty Six Paise Only
43	19.85	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	150.14	Rupees One Hundred Fifty and Fourteen Paise Only
44	21.76	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	151.50	Rupees One Hundred Fifty One and Fifty Paise Only

Contractor

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Executive Engineer
Project Division,

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45	24.13	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	152.87	Rupees One Hundred Fifty Two and Eighty Seven Paise Only
46	8.03	1 Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and directions of the Engineer in charge.	Sqm	4380.60	Rupees Four Thousand Three Hundred Eighty and Sixty Paise Only
47	140.04	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	154.23	Rupees One Hundred Fifty Four and Twenty Three Paise Only
48	498.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)complete as per specifications and directions of the Engineer in charge.	M	64.04	Rupees Sixty Four and Four Paise Only
49	750.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick	M	73.49	Rupees Seventy Three and Forty Nine Paise Only
50	750.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2.5 mm thick thick(including audio system)complete as per specifications and directions of the Engineer in charge.	M	97.64	Rupees Ninety Seven and Sixty Four Paise Only
51	240.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 40mm dia 2.5 mm thick thick(including audio system)complete as per specifications and directions of the Engineer in charge.	M	111.29	Rupees One Hundred Eleven and Twenty Nine Paise Only

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Executive Engineer
Project Division,
Yelahanka Zone

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
52	693.00	Open Conduit System - Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 32 mm dia 2.5 mm thick. complete as per specifications and directions of the Engineer in charge.	M	104.99	Rupees One Hundred Four and Ninety Nine Paise Only
53	435.00	Groove cutting : Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20 mm dia 2 mm thick. complete as per specifications and directions of the Engineer in charge.	M	78.74	Rupees Seventy Eight and Seventy Four Paise Only
54	258.00	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mmthick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.25 mm dia 2 mm thick .complete as per specifications and directions of the Engineer in charge.	M	83.99	Rupees Eighty Three and Ninety Nine Paise Only
55	174.00	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mmthick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.32 mm dia 2.5 mm thick .complete as per specifications and directions of the Engineer in charge.	M	110.24	Rupees One Hundred Ten and Twenty Four Paise Only
56	70.00	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 19/20mm deep junction box .complete as per specifications and directions of the Engineer in charge.	Each	51.45	Rupees Fifty One and Forty Five Paise Only
57	45.00	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 25 mm deep junction box .complete as per specifications and directions of the Engineer in charge.	Each	53.54	Rupees Fifty Three and Fifty Four Paise Only
58	45.00	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 32mm deep junction box. complete as per specifications and directions of the Engineer in charge.	Each	72.44	Rupees Seventy Two and Forty Four Paise Only
59	55.00	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 1 to 2 way	Each	39.90	Rupees Thirty Nine and Ninety Paise Only
60	42.00	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 3 to 4 way	Each	46.20	Rupees Forty Six and Twenty Paise Only
61	150.00	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete. complete as per specifications and directions of the Engineer in charge	m	27.30	Rupees Twenty Seven and Thirty Paise Only
62	37.00	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod complete as per specifications and directions of the Engineer in charge	Nos	45.15	Rupees Forty Five and Fifteen Paise Only

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Executive Engineer,
Project Division,
Yelahanka Zone

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
63	60.00	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge Short point upto 3Mtrs from tapping point to out let via switch. Qty upto 125%	Point	289.77	Rupees Two Hundred Eighty Nine and Seventy Seven Paise Only
	58.00	Qty above 125%		289.77	Rupees Two Hundred Eighty Nine and Seventy Seven Paise Only
64	35.00	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge . Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch.	Point	405.26	Rupees Four Hundred Five and Twenty Six Paise Only
65	812.50	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. complete as per specifications and directions of the Engineer in charge. Qty upto 125%	M	18.90	Rupees Eighteen and Ninety Paise Only
	487.50	Qty above 125%		18.90	Rupees Eighteen and Eighty Nine Paise Only
66	2000.00	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5 sqmm complete as per specifications and directions of the Engineer in charge.Qty upto 125%	M	42.00	Rupees Forty Two Only
67	562.50	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 4 sqmm complete as per specifications and directions of the Engineer in charge.Qty upto 125%	M	61.94	Rupees Sixty One and Ninety Four Paise Only
	37.50	Qty above 125%		61.94	Rupees Sixty One and Ninety Four Paise Only
68	540.00	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 6 sqmm complete as per specifications and directions of the Engineer in charge.	M	91.34	Rupees Ninety One and Thirty Four Paise Only
69	80.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge.	Each	159.58	Rupees One Hundred Fifty Nine and Fifty Eight Paise Only

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Executive Engineer,
Project Division,
Yelahanka Zone

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
70	77.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 4 module	Each	183.73	Rupees One Hundred Eighty Three and Seventy Three Paise Only
71	71.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 6 module	Nos	256.18	Rupees Two Hundred Fifty Six and Eighteen Paise Only
72	42.00	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic complete as per specifications and directions of the Engineer in charge a) Electronic Ballast suitable for T5 Lamp 1x24 Watt. complete as per specifications and directions of the Engineer in charge.	Nos	535.45	Rupees Five Hundred Thirty Five and Forty Five Paise Only
73	10.00	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete as per specifications and directions of the Engineer in charge. 50-63 Amps SP	Nos	770.63	Rupees Seven Hundred Seventy and Sixty Three Paise Only
74	0.00	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply.240W 5700K suitable for outdoor LED fitting. complete as per specifications and directions of the Engineer in charge.	Nos	0.00	0
75	1410.00	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc, and fixing on existing wooden or metal box using N.F. screws. complete as per specifications and directions of the Engineer in charge.	Sqcm	0.30	Thirty Paise Only
76	37.00	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications and directions of the Engineer in charge.Qty upto 125%	Nos	2189.04	Rupees Two Thousand One Hundred Eighty Nine and Four Paise Only
77	37.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge Stepped Fan Regulator	Nos	328.62	Rupees Three Hundred Twenty Eight and Sixty Two Paise Only
78	0.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge TV/Telephone socket	Nos	0.00	0
79	0.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge RJ45/I.O. outlet	Nos	0.00	0
80	37.00	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per specifications and directions of the Engineer in charge.	Each	170.08	Rupees One Hundred Seventy and Eight Paise Only

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Executive Engineer
Project Division,
Yelahanka Zone

Sl No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
81	7.00	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Circuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. Three Pole. 100Amps 25kA. complete as per specifications and directions of the Engineer in charge.	Each	5922.49	Rupees Five Thousand Nine Hundred Twenty Two and Forty Nine Paise Only
82	7.00	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Circuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. Three Pole. 250Amps 35kA complete as per specifications and directions of the Engineer in charge.	Each	19492.44	Rupees Nineteen Thousand Four Hundred Ninety Two and Forty Four Paise Only
83	15.00	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia complete as per specifications and directions of the Engineer in charge.	job	4330.84	Rupees Four Thousand Three Hundred Thirty and Eighty Four Paise Only
84	125.00	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm. complete as per specifications and directions of the Engineer in charge.	M	157.49	Rupees One Hundred Fifty Seven and Forty Nine Paise Only
85	125.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. complete as per specifications and directions of the Engineer in charge. 6sqmm to 16 sqmm	M	12.47	Rupees Twelve and Forty Seven Paise Only
86	0.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete as per specifications and directions of the Engineer in charge - Asphalt cutting	M	0.00	0
87	2.00	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. complete as per specifications and directions of the Engineer in charge 40 mm	Nos	351.72	Rupees Three Hundred Fifty One and Seventy Two Paise Only
88	1.00	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications and directions of the Engineer in charge 16 Sqmm	Nos	283.47	Rupees Two Hundred Eighty Three and Forty Seven Paise Only

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Executive Engineer,
Project Division,
Yelahanka Zone

Sl No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
89	3.00	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 32 A .complete as per specifications and directions of the Engineer in charge.	Nos	209.98	Rupees Two Hundred Nine and Ninety Eight Paise Only
90	2000.00	Fabricating supplying and mounting MS box of suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete as per specifications and directions of the Engineer in charge. 18 SWG. Qty upto 125%	Sqcm	0.34	Thirty Four Paise Only
	25960.00	Qty upto 125%		0.34	Thirty Three Paise Only
91	30.00	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase /3 phase /single for with powder coated painting etc., complete as per specifications.and directions of the Engineer in charge . Single Door b) 8 way SP&N .	Nos	1366.97	Rupees One Thousand Three Hundred Sixty Six and Ninety Seven Paise Only
92	0.00	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete complete as per specifications.and directions of the Engineer in charge 12" Sweep (300mm)	Nos	0.00	0
93	0.00	Supplying and drawing UTP-CAT 6E LAN cable omplete as per specifications.and directions of the Engineer in charge .	M	0.00	0
94	0.00	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable complete as per specifications.and directions of the Engineer in charge 2 pairs.	M	0.00	0
95	0.00	Supplying and Fixing of switch mounting rack with power manager & Cable manager. cable complete as per specifications.and directions of the Engineer in charge 24U with 650mm depth	Each	0.00	0
96	0.00	Supplying fixing of Network Switches omplete as per specifications.and directions of the Engineer in charge 10 Port Gigabyte (manageable)	Each	0.00	0
97	0.00	Supply, installation, testing and commissioning of compact ceiling speaker with Back can power handling up to 6 watt RMS/watt/100volt@ 1456 ohms single channel. Selectable taping 5" LF driver and tweeter complete as per specifications.and directions of the Engineer in charge	Nos	0.00	0

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Executive Engineer
Project Division,
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No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
98	0.00	Supplying, erection, testing and commissioning of 62.5kva/50kw Diesel Generating Set on existing CC platform Compising of diesel Engine Developing 50kw BHP @ 1500 RPM confirming to BS 5514. The engine should be turbocharged, Air/water cooled with 10% over load for 1hour in every 12 hours of operation coupled to suitable capacity alernator rated at 415V, 0.8 PF(lag) 50 Hz, 3 phase. 4 wire system, confirming to BS 5000/IS 4722. The alternator shall be of brushless type Screen protected, revolving field, Mounted on suitable Channel Iron Base Frame. Complete with suitable capacity Fuel Tank, required nos, of Batteries of 12/24V as per requirement. Acoustic enclosure as per CPCB Approved Norms complete as per specifications and directions of the Engineer in charge.	Set	0.00	0
99	1.00	Meter and panel board : Supply and delivery of meter and panel boarc unit one number of MS box of size 300 x 120 mm size fabricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided where the energy meter reading could be read b. panel board to operate on 50c /400/400 v (Copy enclosed) complete as per specifications.and directions of the Engineer in charge .	Nos	6960.84	Rupees Six Thousand Nine Hundred Sixty and Eighty Four Paise Only
100	3.00	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.complete as per specifications and directions of the Engineer in charge.	Nos	549.10	Rupees Five Hundred Forty Nine and Ten Paise Only
101	1.00	Erection of panel board and meter board (Copy enclosed) complete as per specifications.and directions of the Engineer in charge.	Nos	446.21	Rupees Four Hundred Forty Six and Twenty One Paise Only
102	0.00	Brass stop cock (15 mm dia) ccomplete as per specifications and directions of the Engineer in charge.	Nos	0.00	0
103	1.00	Supplying and fixing polished wood board made of not less than 15 mm thick on both sides with made out side more than 2 piece and fixing the same to the mwall musing tapered inverted wooden plugs screws etc 500 x500x 65 mm complete as per specifications.and directions of the Engineer in charge.	Nos	288.72	Rupees Two Hundred Eighty Eight and Seventy Two Paise Only
104	3.00	Supplying and fixing and wiring pilot lamps on existing board using 3 nos flush switches surface mounted in a ang box or flush mounted in 4 mm thick plastic sheet 3 nos of amps bakelite fuses and necessary wires (Copy enclosed) complete as per specifications.and directions of the Engineer in charge.	Nos	144.36	Rupees One Hundred Forty Four and Thirty Six Paise Only
105	12.00	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia . complete as per specifications and directions of the Engineer in charge.	Nos	1574.85	Rupees One Thousand Five Hundred Seventy Four and Eighty Five Paise Only

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Executive Engineer,
Project Division,
Yelahanka Zone

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
106	1.00	Design, supplying, erecting testing and commissioning of - passenger/ Bed-cum-passenger hospital lift with speed of 1mtr per second, variable voltage variable frequency drive, with or without machine room for the available well size, operating at 415 V 3 phase 50 cycles AC supply, powder coated / Stainless Steel car entrance doors enclosures with suitable colour vinyl flooring, LED car illumination, emergency light, intercom and fan as desired by the user, central opening / side opening door with or without attendant operation, 7 segment display buttons, call register indicator, fireman drive, SS handrails inside car, full length infrared curtain in car door, automatic rescue device with batteries, voice announcing in regional / international languages, Braille buttons with one year warranty and maintenance with necessary scaffolding and minor civil works like fixing of guide rail, counter weight etc. With Machine Room-PC Finish: complete as per specifications and directions of the Engineer in charge.	Job	1518102.91	Rupees Fifteen lakh Eighteen Thousand One Hundred Two and Ninety One Paise Only
E1	71.22	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	661.38	Rupees Six Hundred Sixty One and Thirty Eight Paise Only
E2	19.40	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	m	429.42	Rupees Four Hundred Twenty Nine and Forty Two Paise Only
E3	39.67	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Gutter (600 mm over all girth)	m	1017.05	Rupees One Thousand Seventeen and Five Paise Only
E4	25.46	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	6892.38	Rupees Six Thousand Eight Hundred Ninety Two and Thirty Eight Paise Only
E5	2.00	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4903.66	Rupees Four Thousand Nine Hundred Three and Sixty Six Paise Only
E6	19.00	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureopean type W.C. of quality and make as approved by Engineer - in - charge.	Each	285.26	Rupees Two Hundred Eighty Five and Twenty Five Paise Only

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Executive Engineer,
Project Division,
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No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
E7	21.00	PTMT grating 100 mm dia.	Each	18.48	Rupees Eighteen and Forty Seven Paise Only
E8	1.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor. upto 12.5 HP	Each	7256.91	Rupees Seven Thousand Two Hundred Fifty Six and Ninety Paise Only
E9	75.00	Supplying of LED light fitting 1 x 4 feet -PVC Batten with integrated LED tube 20/22 W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.	Each	776.93	Rupees Seven Hundred Seventy Six and Ninety Two Paise Only
E10	62.00	Supplying & fixing of retrofit type - LED bulb ..... W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per W, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 7W, 6500K	Each	155.39	Rupees One Hundred Fifty Five and Thirty Eight Paise Only
E11	99.34	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and asper directions of Engineer-in-charge.	Sqm	76.22	Rupees Seventy Six and Twenty Two Paise Only
E12	1.00	Providing, supplying to work site,Single Phase Submersible Pump Sets of 100mm dia (4 inch) suitable for bore well confirming to IS 8034-2000 specifications,with testing of as per instructions of engineer incharge of work and latest amendments. 1.00 HP/0.75KW 7 STG	Each	15562.14	Rupees Fifteen Thousand Five Hundred Sixty Two and Fourteen Paise Only

Contractor

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ, ಬೆಳಗಾವಿ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಂಗಲೋರ್ ಪಶ್ಚಿಮ ವಲಯ,
Executive Engineer,
Project Division,
Yelahanka Zone.

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
E13	2.00	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 1301m/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ LED Floodlight 70W	Each	7758.76	Rupees Seven Thousand Seven Hundred Fifty Eight and Seventy Six Paise Only
E14	299.48	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	130.85	Rupees One Hundred Thirty and Eighty Four Paise Only
E15	0.35	Supplying ..... A rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete 600 A 4 x 75 x 10 mm Aluminium Strips	m	5306.19	Rupees Five Thousand Three Hundred Six and Nineteen Paise Only
E16	13.00	Laying of UG Cables by Trenchless Technology by adopting horizontal boring & drawing of cable including preparation at site:Normal soil 5/6" Bore With HDPE Pipe	Rmtr	890.32	Rupees Eight Hundred Ninety and Thirty One Paise Only
E17	8.00	LT Current Transformer, 3.75 VA,Ring type as per IS-2705 Part-1&2:CT Ratio-30/5A, 1.0 Accuracy Class	Nos	914.46	Rupees Nine Hundred Fourteen and Forty Six Paise Only
E18	28.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 Way	Each	129.14	Rupees One Hundred Twenty Nine and Thirteen Paise Only
E19	8.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 Way	Each	144.89	Rupees One Hundred Forty Four and Eighty Eight Paise Only
E20	4.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6 Way	Each	222.58	Rupees Two Hundred Twenty Two and Fifty Seven Paise Only

Contractor

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ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ
Executive Engineer,
Planning Division,
Yelahanka Zone

No	Modified Quantity	Description	Unit	Approved Rates of Sri. H V Onkarappa	
				In Figures	In Words
E21	2.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8 Way	Each	262.48	Rupees Two Hundred Sixty Two and Forty Seven Paise Only
E22	25.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12 Way	Each	341.22	Rupees Three Hundred Forty One and Twenty One Paise Only
E23	4.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 16-18 Way	Each	371.66	Rupees Three Hundred Seventy One and Sixty Six Paise Only
E24	810.00	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.	Sqm	287.57	Rupees Two Hundred Eighty Seven and Fifty Six Paise Only
E25	101.13	Dismantling of barbed wire fencing/ wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and lead, stacking serviceable material and unserviceable material separately. MORTH Specification 202	m	86.62	Rupees Eighty Six and Sixty One Paise Only
E26	37.66	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.	Sqm	229.82	Rupees Two Hundred Twenty Two and Eighty Nine Paise Only

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೃಹತ್

Executive Engineer
Project Division
Yelahanka Zone

Contractor